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Ebba A. HANSEN

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) Group Art Unit: 3761

) Examiner: Michelle M. Kidwell

Filed: January 17, 2002

DECLARATION OF EBBA HANSEN

1. I am a citizen of the United States and reside at 4520 Three Chimneys Lane, Cumming, Georgia, 30041.

2. I am a sole inventor of the inventions disclosed and claimed in the above-identified patent application.

3. I conceived of the inventions as recited by pending claims 1-7, 16 and 27-45 of the above-identified patent application prior to at least January 16, 2002. Prior to January 16, 2002, I disclosed the subject matter claimed in the above-identified application in my laboratory notebook, a photocopy of which is attached as Appendix B.

5. On January 17, 2002, my patent application was reduced to practice. From at least prior to January 16, 2002 to January 17, 2002, my patent attorneys worked diligently to finalize my patent application for filing.

6. I attest that the acts relied upon to establish the prior date of at least January 16, 2002 were carried out in this country or in a NAFTA country or WTO member country.

7. I declare that the statements made of my own knowledge are true and statements made on information and belief are believed to be true; and that these statements are made with knowledge that willful false statements and the like are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code or other provisions, and that any such willful false statements, if filed, may jeopardize the validity of any related patent application or patent issuing thereon from the U.S. Patent and Trademark Office.

Signature:
Name:

Ebba A. Hansen
Ebba A. Hansen

Date of Execution:

June 3, 2004

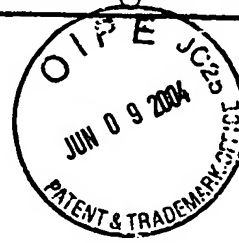


Serial No.: 10/050,545
Attorney Docket No. 53394.000582

APPENDIX B

PHOTOCOPIES OF LABORATORY

NOTEBOOK OF EBBA A. HANSEN



Core Configurations and Layering

Standard

Tissue (TS)

CA/SAP

TISSUE

TS

CA

STORAGE A/O DIS. LAYER

CA

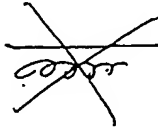
TS

CA

CA

CA

CA



CA

CA

TS

CA

TS

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CA

Multi-layered CA can contain different SAP Types
 ex. top layer has rapid acquisition SAP with low absorbency, bottom has slower SAP with high absorbency to allow liquid to be quickly absorbed, then transferred to storage on bottom.

Multi-layered CA/SAP with wicking layer separating CA layers.

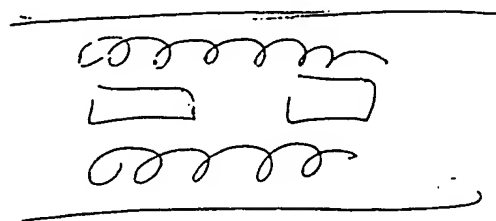
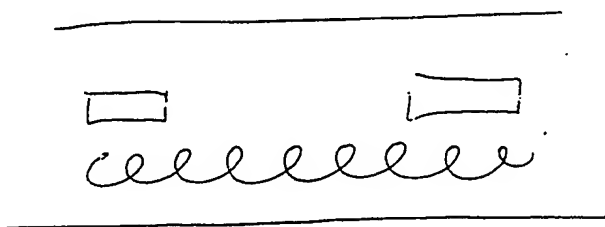
Wicking layer on top of CA/SAP to quickly carry liquid away from insult point

Wicking layer on bottom of CA/SAP to distribute liquid through diaper after absorption

wicking layers between 10mm and 100mm in width
 acquisition layers between 10mm and 100mm in width
 distribution layers between 10mm and 100mm in width

CA/SA acts as short term storage, with acquisition layer on top and long term storage layer on bottom.

b.



Wicking / Distribution / Acquisition Layers can be full length or out and place.

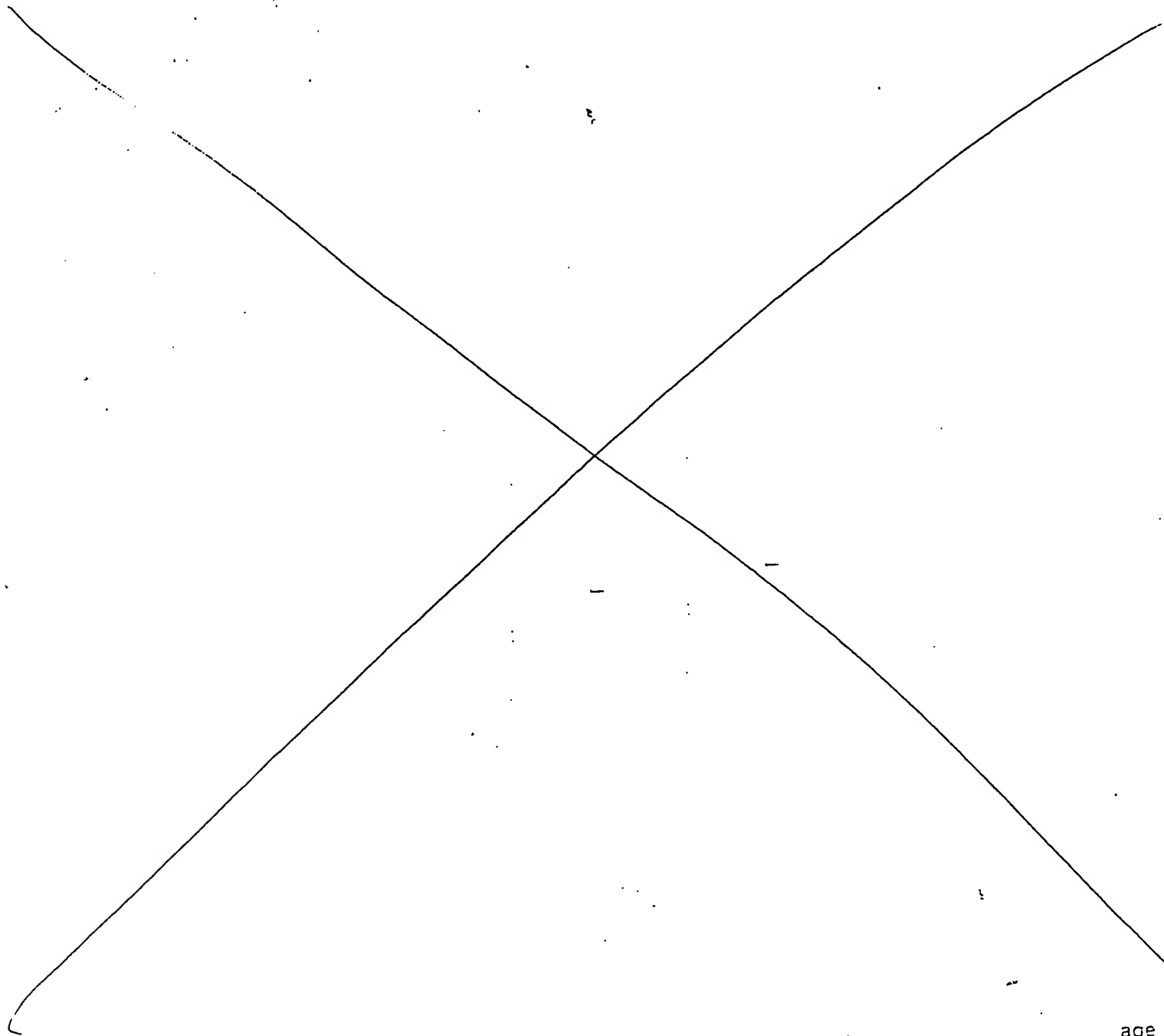
from Page No 81: CONTINUED FROM

- ACQUISITION

- WICKLING
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Witnessed & Understood by me.

Invented by

D

1d geometry: Each fold geometry can be turned upside down
16

1. Standard C-fold



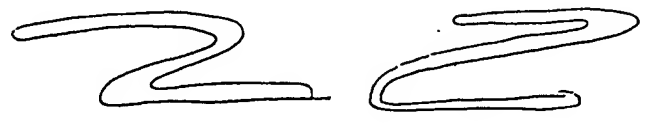
2. G-fold



3. U-fold



4. Z-fold



5. Pleated

